

**ABSTRACT OF THE DISCLOSURE**

A snap latch drum release assembly includes a multiple of latches which engage the inner diameter of a plate spaced away from a rotary drum to lock and unlock the rotary drum of a drain cleaning machine without the need for tools. As the latches engage a plate on the drum, no shaft grooves are located in the shaft to weaken it. The snap latch drum release assembly is mounted on a support frame assembly. Lifting of an actuating handle engages pins in the latch surfaces to overcome their spring bias and simultaneously drive the latches away from the plate to allow release of the drum. To mount the drum, the drum shaft is pushed into the sleeve and the latches are received onto the latch plate.

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